

KRALASTIC® MM

Acrylonitrile Butadiene Styrene
Nippon A&L; Inc.

Message:

KRALASTIC®MM is an acrylonitrile butadiene styrene (ABS) material. This product is available in North America or Asia Pacific region. The processing method is injection molding.

KRALASTIC®The main features of MM are:

flame retardant/rated flame

Hard

General Information			
UL YellowCard	E54706-245213		
Features	Rigidity, high		
Agency Ratings	JHOSPA not rated		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.06	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	4.00	cm³/10min	ISO 1133
Molding Shrinkage	0.40 - 0.60	%	Internal method
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 23°C)	119		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 23°C)	59.0	MPa	ISO 527-2
Flexural Modulus (23°C)	2750	MPa	ISO 178
Flexural Stress (23°C)	91.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	15	kJ/m²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	84.0	°C	ISO 75-2/A
CLTE - Flow (23 to 80°C)	7.3E-5	cm/cm/°C	JIS K7197
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
Additional Information			
Ball Pressure Registration Temperature: 90°C			
Injection	Nominal Value	Unit	
Drying Temperature	80.0 - 90.0	°C	
Drying Time	> 3.0	hr	
Rear Temperature	200 - 260	°C	
Middle Temperature	200 - 260	°C	

Front Temperature	200 - 260	°C
Mold Temperature	40.0 - 80.0	°C

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